III. REMARKS

In the Office Action, Claims 1, 2, 4 and 5 were rejected under 35 U.S.C. 102 as being anticipated by Wan (US 6240288), and claims 3 and 6-8 were rejected under 35 U.S.C. 103 as being unpatentable over Wan in view of Sayers (US 6729929) for reasons set forth in the Office Action.

The following argument is presented to overcome the rejections under 35 U.S.C. 102 and 103 so as to obtain allowable subject matter in the claims.

In applying the teaching of Wan, the examiner employs a frame structure according to the GSM standard (Wan Fig.2). In the frame of the Fig. 2, the examiner refers to elements (time slots) 7-10 and 27-30, which are in the text of Wan indicated as 218a and 218b, and are said to be paging messages, (according to the column 6 lines 27-28). In Fig. 2 there seems to be a multiframe 208, in which the item 210 appears as a frequency control channel, and 212 as a synchronization channel. The channels CCCH seem to be, as the notation of 216, common control channels. It is urged that the information in Fig. 2 does not show features of the claimed invention, although Wan seems to be related to mobile systems at a very general level.

In Fig. 3 of Wan, there seems to be a bit map in a single paging message in a time slot. The figure presents coded bits 304 and 312 as well as a training sequence 312.

However, the position of the examiner is questioned with respect to the feature wherein the transmission level of at least a training sequence part of a burst carrying paging indicators

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(Point 2 of the Action, third paragraph) has a predefined relation to the transmission level of the training sequence part of a burst belonging to a channel that is used measurements of radio link quality. Fig. 3 shows only a time slot without any information about the transmission level. Wan (column 6 at lines 45-53) only spells out the symbols of the Fig. 3, but again, does not contain any matter about the transmission level.

Upon consideration of other parts of the Wan teaching, cited by the examiner, Fig. 5 seems to deal with the multiframe series (column 3 at lines 38-39). Fig. 6 seems to deal with acts that a base station does to establish the page-monitoring rate. Once again, there is no indication of any kind of transmission level. Fig. 7 seems to show acts of a mobile station as set forth by lines 43-44 of column 3. Fig. 7 even intercepts the question should the page message detection be inhibited.

Contrary to the teachings of the present invention, it appears that the mobile in Wan seems to operate so that when the mobile is in such a state in which the power saving system is not bypassed (i.e. power saving is on duty, cf. Fig. 7 item 725), there is a comparison of signal quality, the number of repages, as well as the page-monitoring rate to the predetermined levels in item 730. However, the next step 735 seems to continue the indication that those predetermined levels appear as preset values in the mobile station, acting as thresholds. In other words, the mobile station seems to monitor the base station quality; and when the quality exceed the threshold, the mobile inhibits checking the page message for a set number of cycles. The comparison of the quality levels seems to be made between the threshold in the mobile and the measured one.

To better understand that Wan does not disclose the present invention as claimed, it is noted that the present specification (page 4 at lines 22 -28) teaches that embodiments of the invention allow the mobile communication means to receive only one burst to obtain both desired pieces of information by decoding the PICH bits to find out if a message is to be received, and by measuring the reception level of the midamble of the PICH burst for determining the quality of the radio connection.

Further, it is noted in the present specification (page 4, lines 8 to 12) teaches intentional adjustment of the transmission level of the midamble of a **PICH BURST** to a **LEVEL** which has a predefined relation to the transmission **LEVEL** of a PCCPCH burst.

Thus, the foregoing description of the present invention provides a clear distinction between the operation of the present invention and the above-noted operation of Wan.

It is urged that the present claim language discloses a relationship of levels of burst. Wan seems to fail completely to indicate any burst level related matter between certain bursts in order to deal with the paging as indicated by the teachings of the present specification.

Wan (column 8 at lines 45-52) speaks about a delay determination in checking between paging messages 218. Column 9 at lines 26-67 addresses the error rate and the RX Quality or Level, but does not specify any relation between burst levels in the spirit of the present invention. Wan (column 10 at lines 1-19) only notes that the quality can indicate the probability of receiving a

usable signal and how many unusable signals to be received before a good one is met.

The examiner observes for the claims 4 and 5 that therein the training sequence part of the burst is measured as in Fig. 7 of Wan. However, in figure 7, there seems to be only an indicator to the quality determination of the transmitted signal. Fig. 7 does not specify a measuring of the training sequence part of the burst. Present claims 4 and 5 specifically call for measuring the reception level of the training sequence part, which feature is not taught in Wan.

In addition, Wan discuses bit rate errors and RX or RSSI-level of the signal; however, there seems to be no mentioning at all for the burst parts. It is not found, for instance in Wan, column 9 lines 26-67 (cited by the examiner on page 2 of the Action, three lines from the bottom of the page), where there is any mention of a training sequence part.

In addition, upon consideration of column 6 in Wan stating (in lines 58-61) that the flag bits 306, 310 and the training sequence bits 308 contain no actual paging message 218 information, and instead are used for synchronization, it is apparent that Wan teaches away from the present invention, as set forth in the method of claim 4 and in the mobile terminal in claim 5.

In Wan, items 218 seem to belong to PCH-channel according to Fig. 5. It seems to be stated in the column 2, lines 38-44, that paging is inhibited when the repaging rate and the signal quality exceed a predetermined value. Wan seems to mention certain measures of signal quality (col.9 lines 26-67), but

there is no mention of the predefined relation of present claim 1.

With respect to the rejections of claims 3 and 6-8 (Point 5 of the Action) based on a combination of the teachings of Wan and Sayers, the examiner refers to Sayers (Fig. 6 and col. 16 at lines 35-57) for means for adjusting a transmission level. Figure 6 shows various modules, among which there seems to be a power control module 6-18 and a similar one 6-19 and a measurement report module 6-20. The correct column for the power control module seems to be column 15 in Sayers, but there does not appear to be any teaching specifically to control the training sequence part at all. Sayers seems to be claiming a base station etc. but in a very general manner rather than pointing to the specified embodiments of the present invention as claimed.

Sayers seems to state only such teaching that the technique in Sayers is related to the mobile stations. But without any pointing to the features of the present invention arranged in the specified way as set forth in the present claims for the specified purpose.

Embodiments of the present invention are directed to receive the PICH burst or any other paging related signal (information structure), and determine based on this signal how the radio resource management actions and activity at the higher layers should behave accordingly, and to steer the UE actions based on the part of the logical data that is available. It is simply instructing the UE to make decision based on the known signal level and omit the unnecessary data in signal, thus saving power
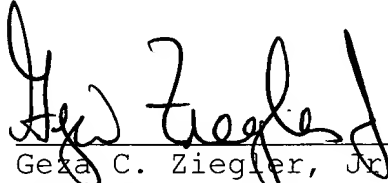
that would have been otherwise consumed for processing all the data.

Sayers seems to be non-applicable alone, as well as in combination with Wan, against any of the claims. With respect to the examiner's reference (middle of page 4 of the Office Action) to Sayers at column 7, lines 61-67, it is believed that Sayers fails to point to the present invention at all, in its general formulation, and does not specify the claimed features of the present invention. The argument presented above is believed to show that Wan does not teach the present invention, and the foregoing argument applies even upon a combination of the teachings of Sayers with the teachings of Wan. Therefore, the combination of Wan and Sayers cannot describe the current invention nor serve as a basis for the rejection of the claims 3, and 6-8. The disclosure of the Sayers in it broadness seems to be so broad that there would be no motivation to combine the two references, and no teaching of the operation of the present invention.

For all of the foregoing reasons, it is respectfully submitted that all of the claims now present in the application are clearly novel and patentable over the prior art of record, and are in proper form for allowance. Accordingly, favorable reconsideration and allowance is respectfully requested. Should any unresolved issues remain, the Examiner is invited to call Applicants' attorney at the telephone number indicated below.

A check in the amount of $1020.00 is enclosed for a three-month extension of time. The Commissioner is hereby authorized to charge payment for any fees associated with this communication or credit any over payment to Deposit Account No. 16-1350.

Respectfully submitted,

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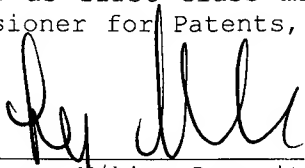Reg. No. 44,004

20 October 2005
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